

## Appendix C. Hazard Histories

### Davis County

	Injuries	% of Total Injuries	Fatalities	% of Total Fatalities	Property Damage	% of Total Property Damage	Crop Damage	% of Total Crop Damage
<b>Avalanche</b>	1.63	2.3%	<b>1.25</b>	<b>22.8%</b>	\$0	0.0%	\$0	0.0%
<b>Extreme Cold</b>	0.17	0.2%	0.03	0.5%	\$537,791	2.0%	<b>\$1,457,39</b>	<b>20.8%</b>
<b>Flooding</b>	0.24	0.3%	<b>0.68</b>	<b>12.4%</b>	<b>\$4,901,262</b>	<b>17.9%</b>	<b>\$4,901,26</b>	<b>69.9%</b>
<b>Fog</b>	<b>13.80</b>	<b>19.2%</b>	0.40	7.3%	\$159,947	0.6%	\$0	0.0%
<b>Hail</b>	<b>6.07</b>	<b>8.4%</b>	0.02	0.4%	\$444,374	1.6%	\$189,368	2.7%
<b>Heavy Snow</b>	<b>38.69</b>	<b>53.8%</b>	<b>2.32</b>	<b>42.3%</b>	<b>\$5,169,331</b>	<b>18.9%</b>	\$64,299	0.9%
<b>Ice</b>	5.00	7.0%	0.00	0.0%	\$101,575	0.4%	\$0	0.0%
<b>Landslide</b>	0.00	0.0%	0.17	3.0%	\$82,029	0.3%	\$0	0.0%
<b>Lightning</b>	0.24	0.3%	0.02	0.4%	\$446,492	1.6%	\$690	0.0%
<b>Tornado</b>	0.00	0.0%	0.00	0.0%	\$199,629	0.7%	\$2,994	0.0%
<b>Wind</b>	<b>6.04</b>	<b>8.4%</b>	0.60	2.5%	<b>\$15,269,889</b>	<b>55.9%</b>	<b>\$398,328</b>	<b>5.7%</b>
<b>TOTAL</b>	71.87	100.0%	5.49	91.5%	\$27,312,318	100.0%	\$7,014,34	100.0%

Table C-1. Major Disaster Statistics 1962-2005, Davis County (2005 dollars) (HVRI 2007)

	Injuries	% of Total Injuries	Fatalities	% of Total Fatalities	Property Damage	% of Total Property Damage	Crop Damage	% of Total Crop Damage
<b>1960s*</b>	1.9	3%	0.07	1%	\$2,111,058	7%	\$114,743	2%
<b>1970s</b>	<b>15.7</b>	<b>21%</b>	<b>1.12</b>	<b>20%</b>	<b>\$3,415,339</b>	<b>12%</b>	<b>\$1,920,583</b>	<b>27%</b>
<b>1980s</b>	0.0	0%	0.57	10%	<b>\$8,080,463</b>	<b>29%</b>	<b>\$4,668,534</b>	<b>67%</b>
<b>1990s</b>	<b>38.2</b>	<b>51%</b>	<b>3.09</b>	<b>56%</b>	<b>\$13,170,387</b>	<b>47%</b>	\$224,746	3%
<b>2000s*</b>	<b>19.0</b>	<b>25%</b>	0.64	12%	\$1,497,915	5%	\$85,734	1%
<b>TOTAL</b>	74.8	100%	5.49	100%	\$28,275,161	100%	\$7,014,340	100%

Table C-2. Major Disaster Decadal Statistics 1962-2005, Davis County (2005 dollars) \*Note: Not entire decade (HVRI 2007)

	Number of Events	Events Per Year	Injuries Per Event	Fatalities Per Event	Property Damage Per Event	Crop Damage Per Event	Total Damages Per Event	Total Annualized Losses
<b>Avalanche</b>	6	0.1	0.27	<b>0.21</b>	\$0	\$0	\$0	\$0
<b>Extreme Cold</b>	9	0.2	0.02	0.00	\$59,755	<b>\$161,933</b>	<b>\$221,688</b>	\$44,338
<b>Flooding</b>	<b>21</b>	<b>0.5</b>	0.01	0.03	<b>\$233,393</b>	<b>\$233,393</b>	<b>\$466,787</b>	<b>\$217,834</b>
<b>Fog</b>	3	0.1	<b>4.60</b>	<b>0.13</b>	\$53,316	\$0	\$53,316	\$3,554
<b>Hail</b>	4	0.1	<b>1.52</b>	0.01	<b>\$111,094</b>	<b>\$47,342</b>	<b>\$158,436</b>	\$14,083
<b>Heavy Snow</b>	<b>94</b>	<b>2.1</b>	0.41	0.02	\$54,993	\$684	\$55,677	<b>\$116,303</b>
<b>Ice</b>	2	0.0	<b>2.50</b>	0.00	\$50,787	\$0	\$50,787	\$2,257
<b>Landslide</b>	3	0.1	0.00	<b>0.06</b>	\$27,343	\$0	\$27,343	\$1,823
<b>Lightning</b>	7	0.2	0.03	0.00	\$63,785	\$99	\$63,883	\$9,937
<b>Tornado</b>	4	0.1	0.00	0.00	\$49,907	\$749	\$50,656	\$4,503
<b>Wind</b>	<b>64</b>	<b>1.4</b>	0.09	0.01	<b>\$238,592</b>	\$6,224	<b>\$244,816</b>	<b>\$348,183</b>
<b>TOTAL</b>	217	4.8	0	0	\$125,863	\$32,324	\$158,187	\$762,815

Table C-3. Major Disaster Event and Annual Statistics 1962-2005, Davis County (2005 dollars) (HVRI 2007)

## Morgan County

	Injuries	% of Total Injuries	Fatalities	% of Total Fatalities	Property Damage	% of Total Property Damage	Crop Damage	% of Total Crop Damage
1960s*	2.9	3%	0.07	2%	\$2,093,847	6%	\$117,817	2%
1970s	31.5	36%	0.43	12%	\$4,484,717	14%	\$1,941,634	28%
1980s	0.2	0%	0.24	7%	\$7,457,690	22%	\$4,668,534	67%
1990s	41.0	47%	1.77	48%	\$17,893,117	54%	\$126,446	2%
2000s*	11.8	14%	1.15	31%	\$1,266,907	4%	\$63,857	1%
<b>TOTAL</b>	87.4	100%	3.66	100%	\$33,196,278	100%	\$6,918,288	100%

**Table C-4. Major Disaster Decadal Statistics 1962-2005, Morgan County (2005 dollars) \*Not entire decade (HVRI 2007)**

	Injuries	% of Total Injuries	Fatalities	% of Total Fatalities	Property Damage	% of Total Property Damage	Crop Damage	% of Total Crop Damage
Avalanche	0.4	1.0%	0.5	12.1%	\$60,387	0.6%	\$0.00	0.0%
Extreme Cold	0.2	0.5%	0.0	0.7%	\$297,071	3.1%	\$1,406,087	22.9%
Flooding	0.0	0.0%	0.2	5.8%	\$4,876,500	51.3%	\$4,674,203	76.0%
Fog	1.8	4.9%	0.4	9.7%	\$7,174	0.1%	\$0	0.0%
Heavy Snow	31.5	86.2%	2.8	69.1%	\$2,706,577	28.5%	\$65,358	1.1%
Lightning	0.0	0.0%	0.0	0.0%	\$37,078	0.4%	\$0	0.0%
Wind	2.7	7.3%	0.1	2.5%	\$1,512,166	15.9%	\$5,469	0.1%
<b>TOTAL</b>	36.5	100.0%	4.1	100.0%	\$9,496,952	100.0%	\$6,151,118	100.0%

**Table C-5. Major Disaster Statistics 1962-2005, Morgan County (2005 dollars) (HVRI 2007)**

	Number of Events	Events Per Year	Injuries Per Event	Fatalities Per Event	Property Damage Per Event	Crop Damage Per Event	Total Monetary Loss Per Event	Total Annualized Losses
Avalanche	4	0.1	0.10	0.13	\$15,097	\$0	\$15,097	\$1,372
Extreme Cold	7	0.2	0.02	0.00	\$42,439	\$200,870	\$243,308	\$38,708
Flooding	5	0.1	0.00	0.05	\$975,300	\$934,841	\$1,910,141	\$217,061
Fog	1	0.0	1.80	0.40	\$7,174	\$0	\$7,174	\$163
Heavy Snow	75	1.7	0.42	0.04	\$36,088	\$871	\$36,959	\$62,999
Lightning	1	0.0	0.00	0.00	\$37,078	\$0	\$37,078	\$843
Wind	20	0.5	0.13	0.01	\$75,608	\$273	\$75,882	\$34,492
<b>TOTAL</b>	113	2.6	0.32	0.04	\$84,044	\$54,435	\$138,478	\$355,638

**Table C-6. Major Disaster Per Event and Annual Statistics 1962-2005, Morgan County (2005 dollars) (HVRI 2007)**

## Salt Lake County

	Injuries	% of Total Injuries	Fatalities	% of Total Fatalities	Property Damage	% of Total Property Damage	Crop Damage	% of Total Crop Damage
1960s*	2.4	1.0%	1.07	4.8%	\$1,468,911	0.6%	\$114,893	1.4%
1970s	31.0	13.3%	1.21	5.4%	\$3,479,666	1.4%	\$1,733,457	21.2%
1980s	22.3	9.5%	0.41	1.8%	\$20,434,829	8.4%	\$5,527,641	67.7%
1990s	154.4	66.0%	13.16	59.1%	\$216,107,50	88.5%	\$686,175	8.4%
2000s*	23.7	10.1%	6.42	28.8%	\$2,619,946	1.1%	\$101,188	1.2%
<b>TOTAL</b>	233.8	100%	22.27	100%	\$244,110,85	100%	\$8,163,353	100%

Table C-7. Major Disaster Decadal Statistics 1962-2005, Salt Lake County (2005 dollars) \*Not entire decade (HVRI 2007)

	Injuries	% of Total Injuries	Fatalities	% of Total Fatalities	Property Damage	% of Total Property Damage	Crop Damage	% of Total Crop Damage
Avalanche	4.2	1.8%	3.40	15.3%	\$36,087	0.0%	\$0	0.0%
Extreme Cold	0.2	0.1%	0.03	0.1%	\$538,617	0.2%	\$1,457,399	17.9%
Flooding	2.0	0.8%	1.10	4.9%	\$19,402,050	7.9%	\$4,686,404	57.4%
Fog	17.6	7.5%	3.15	14.1%	\$1,006,768	0.4%	\$0	0.0%
Hail	28.1	12.0%	0.52	2.3%	\$1,464,087	0.6%	\$1,048,746	12.8%
Heavy Snow	69.6	29.7%	9.32	41.8%	\$5,361,466	2.2%	\$66,452	0.8%
Ice	5.0	2.1%	0.00	0.0%	\$206,684	0.1%	\$0	0.0%
Lightning	0.3	0.1%	0.09	0.4%	\$7,832	0.0%	\$0	0.0%
Tornado	3.2	1.4%	3.02	13.6%	\$1,525,691	0.6%	\$690	0.0%
Wind	80.0	34.2%	1.00	4.5%	\$199,304,983	81.6%	\$587,604	7.2%
<b>TOTAL</b>	23.8	10.2%	0.65	2.5%	\$15,256,593	6.2%	\$316,058	3.9%

Table C-8. Major Disaster Statistics 1962-2005, Salt Lake County (2005 dollars) (HVRI 2007)

	Number of Events	Events Per Year	Injuries Per Event	Fatalities Per Event	Property Damage Per Event	Crop Damage Per Event	Total Monetary Loss Per Event	Total Annualized Losses
Avalanche	11	0.3	0.38	0.31	\$3,281	\$0	\$3,281	\$802
Extreme Cold	10	0.2	0.02	0.00	\$53,862	\$145,740	\$199,602	\$44,356
Flooding	23	0.5	0.09	0.05	\$843,567	\$203,757	\$1,047,324	\$535,299
Fog	5	0.1	3.51	0.63	\$201,354	\$0	\$201,354	\$22,373
Hail	9	0.2	3.12	0.06	\$162,676	\$116,527	\$279,204	\$55,841
Heavy Snow	111	2.5	0.63	0.08	\$48,301	\$599	\$48,900	\$120,620
Ice	2	0.0	2.50	0.00	\$103,342	\$0	\$103,342	\$4,593
Landslide	1	0.0	0.25	0.09	\$7,832	\$0	\$7,832	\$174
Lightning	12	0.3	0.27	0.25	\$127,141	\$58	\$127,198	\$33,920
Tornado	3	0.1	26.67	0.33	\$66,434,994	\$195,868	\$66,630,862	\$4,442,057
Wind	83	1.9	0.29	0.01	\$183,814	\$3,808	\$187,622	\$346,059
<b>TOTAL</b>	270	6.1	0.87	0.1	\$904,114	\$630,235	\$934,349	\$5,606,094

Table C-9. Major Disaster Per Event and Annual Statistics 1962-2005, Salt Lake County (2005 dollars) (HVRI 2007)

## Tooele County

	Injuries	% of Total Injuries	Fatalities	% of Total Fatalities	Property Damage	% of Total Property Damage	Crop Damage	% of Total Crop Damage
1960s	0.7	1.1%	0.1	1.2%	\$343,037	1.7%	\$112,084	2.3%
1970s	0.0	0.0%	1.1	18.0%	\$895,207	4.5%	\$302	0.0%
1980s	0.0	0.0%	0.4	6.5%	\$5,422,579	27.2%	\$4,668,534	94.6%
1990s	48.2	76.2%	1.2	19.3%	\$11,992,456	60.3%	\$85,734	1.7%
2000s	14.3	22.6%	3.3	55.1%	\$1,248,797	6.3%	\$66,063	1.3%
TOTA	63.2	100.0%	6.0	100.0%	\$19,902,077	100.0%	\$4,932,717	100.0%

Table C-10. Major Disaster Decadal Statistics 1962-2005, Tooele County (2005 dollars)\*Not entire decade (HVRI 2007)

	Injuries	% of Total Injuries	Fatalities	% of Total Fatalities	Property Damage	% of Total Property Damage	Crop Damage	% of Total Crop Damage
Avalanche	0	0.0%	0.3	6.2%	\$0	0.0%	\$0	0.0%
Flooding	0.2	0.3%	0.4	9.1%	\$5,309,368	26.7%	\$4,689,305	95.1%
Fog	2.6	4.0%	1.2	28.4%	\$142,896	0.7%	\$0	0.0%
Hail	1.2	1.9%	0	0.4%	\$8,695	0.0%	\$4,589	0.1%
Landslide	0	0.0%	0.2	4.1%	\$15,664	0.1%	\$0	0.0%
Lightning	6.2	9.8%	0.1	1.5%	\$52,427	0.3%	\$0	0.0%
Severe Thunderstorm	1.2	1.9%	0.1	3.5%	\$21,358	0.1%	\$668	0.0%
Tornado	0	0.0%	0	0.0%	\$67,568	0.3%	\$0	0.0%
Wind	13.7	21.6%	0.4	10.7%	\$9,070,885	45.6%	\$91,824	1.9%
Winter Weather	38.3	60.5%	1.5	36.2%	\$5,223,389	26.2%	\$145,812	3.0%
TOTAL	63.2	100.0%	4.1	100.0%	\$19,912,250	100.0%	\$4,932,199	100.0%

Table C-11. Major Disaster Statistics 1962-2005, Tooele County (2005 dollars) (HVRI 2007)

	Number of Events	Events Per Year	Injuries Per Event	Fatalities Per Event	Property Damage Per Event	Crop Damage Per Event	Total Damages Per Event	Total Annualized Losses
Avalanche	6	0.1	0.27	0.21	\$0	\$0	\$0	\$0
Extreme Cold	9	0.2	0.02	0.00	\$59,755	\$161,933	\$221,688	\$44,338
Flooding	21	0.5	0.01	0.03	\$233,393	\$233,393	\$466,787	\$217,834
Fog	3	0.1	4.60	0.13	\$53,316	\$0	\$53,316	\$3,554
Hail	4	0.1	1.52	0.01	\$111,094	\$47,342	\$158,436	\$14,083
Heavy Snow	94	2.1	0.41	0.02	\$54,993	\$684	\$55,677	\$116,303
Ice	2	0.0	2.50	0.00	\$50,787	\$0	\$50,787	\$2,257
Landslide	3	0.1	0.00	0.06	\$27,343	\$0	\$27,343	\$1,823
Lightning	7	0.2	0.03	0.00	\$63,785	\$99	\$63,883	\$9,937
Tornado	4	0.1	0.00	0.00	\$49,907	\$749	\$50,656	\$4,503
Wind	64	1.4	0.09	0.01	\$238,592	\$6,224	\$244,816	\$348,183
TOTAL	217	4.8	0	0	\$125,863	\$32,324	\$158,187	\$762,815

Table C-12. Major Disaster Per Event Statistics 1962-2005, Tooele County (2005 dollars) (HVRI 2007)

## Weber County

	Injuries	% of Total Injuries	Fatalities	% of Total Fatalities	Property Damage	% of Total Property Damage	Crop Damage	% of Total Crop Damage
Avalanche	0.51	1%	0.75	20%	\$87,920	0%	\$0	0%
Extreme Cold	0.17	0%	0.03	1%	\$538,617	2%	\$1,421,035	21%
Flooding	0.24	0%	0.51	14%	\$13,350,713	40%	\$4,892,050	71%
Fog	1.80	2%	0.40	11%	\$67,560	0%	\$0	0%
Hail	6.07	7%	0.02	1%	\$442,494	1%	\$159,821	2%
Heavy Snow	53.11	61%	1.83	50%	\$4,107,199	12%	\$177,978	3%
Ice	0.00	0%	0.00	0%	\$60,386	0%	\$0	0%
Lightning	1.24	1%	0.02	1%	\$69,901	0%	\$690	0%
Tornado	8.00	9%	0.00	0%	\$1,071,245	3%	\$7,599	0%
Wind	16.58	19%	0.09	2%	\$13,258,674	40%	\$259,115	4%
<b>TOTAL</b>	<b>87.71</b>	<b>100%</b>	<b>3.66</b>	<b>100%</b>	<b>\$33,054,709</b>	<b>100%</b>	<b>\$6,918,288</b>	<b>100%</b>

Table C-13. Major Disaster Statistics 1962-2005, Weber County (HVRI 2007)

	Injuries	% of Total Injuries	Fatalities	% of Total Fatalities	Property Damage	% of Total Property Damage	Crop Damage	% of Total Crop Damage
1960s	2.9	3%	0.07	2%	\$2,093,847	6%	\$117,817	2%
1970s	31.5	36%	0.43	12%	\$4,484,717	14%	\$1,941,634	28%
1980s	0.2	0%	0.24	7%	\$7,457,690	22%	\$4,668,534	67%
1990s	41.0	47%	1.77	48%	\$17,893,117	54%	\$126,446	2%
2000s	11.8	14%	1.15	31%	\$1,266,907	4%	\$63,857	1%
<b>TOTAL</b>	<b>87.4</b>	<b>100%</b>	<b>3.66</b>	<b>100%</b>	<b>\$33,196,278</b>	<b>100%</b>	<b>\$6,918,288</b>	<b>100%</b>

Table C-14. Major Disaster Decadal Statistics 1962-2005, Weber County \*Not entire decade (HVRI 2007)

	Number of Events	Events Per Year	Injuries Per Event	Fatalities Per Event	Property Damage Per Event	Crop Damage Per Event	Total Monetary Loss Per Event	Total Annualized Losses
Avalanche	6	0.1	0.1	0.1	\$14,653	\$0	\$14,653	\$1,998
Extreme Cold	9	0.2	0.0	0.0	\$59,846	\$157,893	\$217,739	\$44,538
Flooding	20	0.5	0.0	0.0	\$667,536	\$244,602	\$912,138	\$414,608
Fog	2	0.0	0.9	0.2	\$33,780	\$0	\$33,780	\$1,535
Hail	6	0.1	1.0	0.0	\$73,749	\$26,637	\$100,386	\$13,689
Heavy Snow	97	2.2	0.5	0.0	\$42,342	\$1,835	\$44,177	\$97,390
Ice	1	0.0	0.0	0.0	\$60,386	\$0	\$60,386	\$1,372
Lightning	5	0.1	0.2	0.0	\$13,980	\$138	\$14,118	\$1,604
Tornado	5	0.1	1.6	0.0	\$214,249	\$1,520	\$215,769	\$24,519
Wind	58	1.3	0.3	0.0	\$228,598	\$4,468	\$233,065	\$307,222
<b>TOTAL</b>	<b>209</b>	<b>4.8</b>	<b>0.4</b>	<b>0.0</b>	<b>\$158,157</b>	<b>\$33,102</b>	<b>\$191,258</b>	<b>\$908,477</b>

Table C-15. Major Disaster Event and Annual Statistics 1962-2005, Weber County (HVRI 2007)

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